

DOI: 10.1503/cjs.016218

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## Appendix 1: Identification of initial treatment group to form a categorical variable:

### i) Cast immobilization:

#### **Radius or ulna – unspecified site**

F031 – no reduction, rigid immobilization

F032 – closed reduction

#### **Radius – distal, e.g. Colles', Smith's, or Barton's fracture**

F027 – no reduction, rigid immobilization

F028 – closed reduction, under local or regional anaesthetic

F046 – closed reduction, under general anaesthetic

#### **Fixation**

E544 – cast bracing with closed reduction, to closed reduction fee ... add 40% (note: this code is billed in

conjunction with one of the above codes)

Check to make sure that no cast immobilization received any of the following surgical codes (listed in ii, iii, and iv) within 3 weeks of cast immobilization OHIP fee code service date. If they did receive any of the following surgical codes, then they fall into the corresponding surgical group (ii, iii, or iv).

### ii) Percutaneous pinning with cast immobilization

The following Fixation fee code within 3 weeks:

E569 – percutaneous pinning, to closed reduction fee ... add 50%

+/- any of the above cast immobilization OHIP billing fees

### iii) External fixation

The following Fixation fee code within 3 weeks:

E555 – rigid external fixation (excluding casts) for closed reduction, to closed reduction fee ... add 50%

+/- any of the above cast immobilization OHIP billing fees

### iv) Open reduction and internal fixation

Any of the above cast immobilization OHIP billing fees AND the following Open reduction fee codes

within 3 weeks OR just the following **Open reduction** fee codes:

#### **Radius or ulna – unspecified site**

F033 – open reduction

#### **Radius – distal, e.g. Colles', Smith's, or Barton's fracture**

F030 – open reduction

#### **Osteochondral**

F021 – open reduction

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**Table S1: The Gross Number of Fractures Treated by Cast Immobilization (CI), Percutaneous pinning with cast immobilization (PP+CI), External Fixation (EF), and Open Reduction and Internal Fixation (ORIF) by Year**

Year	CI	PP+CI	EF	ORIF
2004	16,520	1,211	654	1,407
2005	17,466	1,191	637	1,520
2006	16,636	1,180	515	1,699
2007	18,562	1,182	510	1,946
2008	19,310	1,232	430	2,371
2009	18,222	1,110	402	2,458
2010	18,575	948	376	2,528
2011	19,680	722	380	2,866
2012	19,243	632	318	2,902
2013	21,330	554	287	3,184